

Abstract

A rear view mirror assembly for use internally in sedans, minivans, sport utility vehicles (SUVs), and other vehicles with a rear window to provide an improved view of the field below the rear window. The improved rear view enhances the safety of moving the vehicles backward or towing a trailer. The rear view mirror assembly consists of a convex mirror and a flat mirror, both located near the rear window. The convex mirror is mounted near the top of the rear window, facing the field below the rear window, while the flat mirror is mounted below the convex mirror to reflect the image of field below the rear window to the driver. The driver can view the image in the flat mirror directly while moving backward or through the regular main rear view mirror. The angles of the convex mirror and the flat mirror can be adjusted manually or electronically to meet the needs of different drivers.